

SDI Vector to Text

SDI_V2T is an interactive application to convert certain stroked text to editable CGM text strings. It currently supports only horizontal stroked text created by Catia or Unigraphics NX systems using specific fonts shown in Appendix A. The algorithm used in this application is based on the stroke sequence and polyline points that the CAD system used when drawing the stroked text into the CGM file.

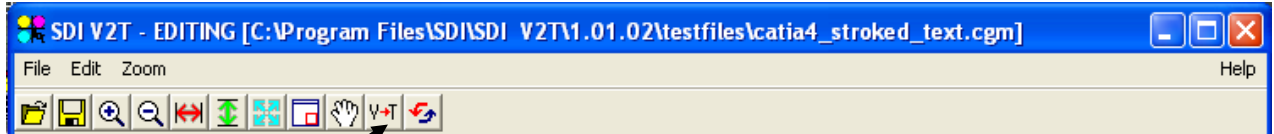
If the font found in the CGM file does not match one of our supported fonts, the results of the conversion will not be satisfactory.

To add support for additional fonts or CAD systems, please contact SDI.

A batch version of this program is also available.

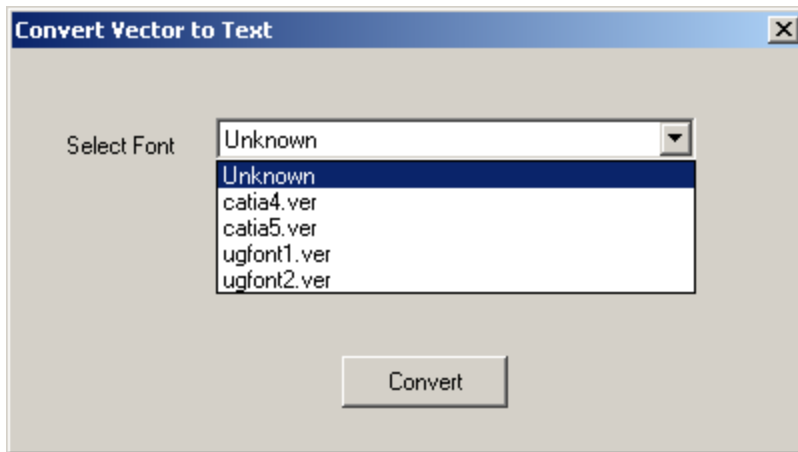


To begin the conversion process select the file that you wish converted

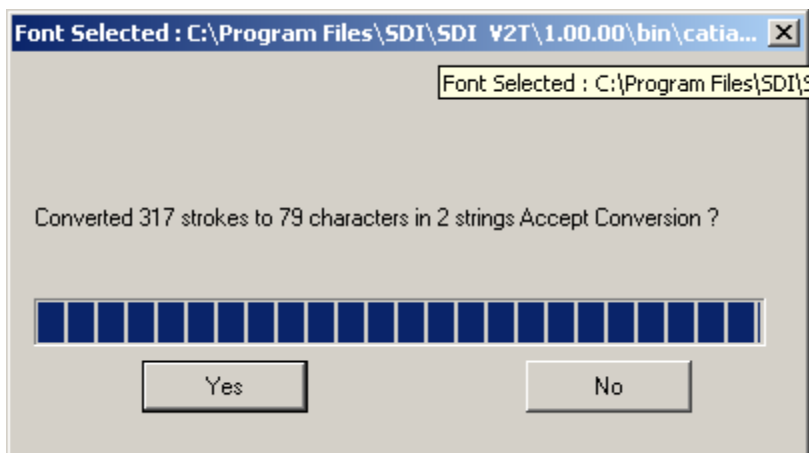


Press the V-T button.

A dialog will appear prompting the user to select the font file to use for the conversion, if unknown is selected, the application will compute the best font to use.



After the conversion is complete, a dialog will appear showing the results of the conversion.



The converted text is will be shown in red displayed behind the stroked text for comparison purposes.

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After the conversion is accepted, the stroked text will be removed and the color of the text strings will be changed to the correct color to match the color of the stroked text.

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To complete the process, save the converted file.

Appendix A

Catia 4 font

!"#\$%&'()*+,-./
0123456789:;<=>?
@ABCDEFGHIJKLMNO
PQRSTUVWXYZ[\]^_
`abcdefghijklmnop
pqrstuvwxyz{ }~

Catia 5 font

" # % & ' () * + , - . /
0 1 2 3 4 5 6 7 8 9 : ; < = > ?
@ A B C D E E F G H I J K L M N
P Q R S T U V W X Y Z [\] ^
' a b c d e f g h i j k l m n o
p q r s t u v w x y z ~

Unigraphic NX fonts “blockfont” and “blockmod1”

! ¨ # \$ % & ¨ () * + , - . /
0 1 2 3 4 5 6 7 8 9 : ; = > ?
@ A B C D E F G H I J K L M N O
P Q R S T U V W X Y Z [\] ^ _
a b c d e f g h i j k l m n o
p q r s t u v w x y z

ProE font

! ! " " # # \$ \$ % % & & (()) * * + + , , - - . . //
X X 0 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 : : ; ; < < = = > > ? ?
@ @ A A B B C C D D E E F F G G H H I I J J K K L L M M N N O O
P P Q Q R R S S T T U U V V W W X X Y Y Z Z [[\ \]] ^ ^ _ _
' ' a a b b c c d d e e f f g g h h i i j j k k l l m m n n o o
p p q q r r s s t t u u v v w w x x y y z z { { | | } } ~